

161363

Friday, May 12, 2017 3:24:59 PM

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 5/15/2017 **Start Qty:** 2.00

2

Cust Item ID:

Required Date: 5/17/2017 **Req'd Qty:** 2.00

~

Customer:

Reference: SCHEDULED/C

Approvals:

Process Plan:

Date: MAY 12 2017

Tooling:

Date:

Run Start *NR1*

OC:

Date:**SPC (Y/N):**

Date:

Stop *NR2*

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Work Order ID 161363

Friday, May 12, 2017 3:24:59 PM

161363

Page 2

Item ID: D350-727-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wearplate, Standard, Fits LH or RH

Start Date: 5/15/2017 Start Qty: 2.00 ***2***

Cust Item ID:

Required Date: 5/17/2017 Req'd Qty: 2.00 ***2***

Customer:

Reference: SCHEDULED/C

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130	Packaging					2			
Packaging	Memo	0.00					DAS 27 9-89		
Packaging	Identify and pack for shipping as per PPP D350-727-041 Location: FG128 _____ PPP Rev: _____								
								MAY 16 2017	
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.20					DAS 21 9-89		MAY 16 2017
Quality Control									
								DAS 21 9-89	MAY 16 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval 	
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER :							
Misidentified ☐	☐	Past Due								

Picklist Print

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Page 1

Work Order ID: 161363

161363

Parent Item: D350-727-041

D350-727-041

Parent Item Name: Wearplate, Standard, Fits LH or RH

Start Date: 5/15/2017

Required Date: 5/17/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev: A05.05.12New issueKJ/JLM
PER ECN 12-546 DD VERF:EC

IPP REV:B 12.04.11 AS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3319-1 *D3319-1* Forward Wearplate		Manufactured	No			110	Each	14.0000	1	2	DAS 6 9-89	MAY 15 2017	DAS 27 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST603				14					
				158759				2		2			
				159352				12					
D3319-7 *D3319-7* Wearplate Aft		Manufactured	No			110	Each	2.0000	1	2	DAS 6 9-89	MAY 15 2017	DAS 27 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST603				2					
				106364				2					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Misidentified ☐	Past Due ☐																																																														

REFERENCE ONLY



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CANADA

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<http://www.Dartaero.com>

INSTALLATION INSTRUCTIONS

IIN-D350-727

Wearplate Kits

EUROCOPTER AS 350/355 MODELS

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:
D. SHEPHERD (DE # 02)

DATE: 05.04.20
CERT. NO.: PDA05-18
ISSUE NO.: #1

Prepared By:

P. Hum

Mechanical Designer

Checked By:

C. Provencal

Mechanical Designer

Released By:

D. Shepherd, P. Eng.

DE #02

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Revision:

A

Date: 05.04.20

4.0 WEIGHT AND BALANCE

There is negligible weight change associated with the installation of the Dart wearplates.

5.0 PARTS LIST

Qty -045	Qty -043	Qty -041	Qty -015	Qty -013	Qty -011	Part Number	Description
					X	D350-727-011	WEARPLATE KIT, STANDARD
				X		D350-727-013	WEARPLATE KIT, LONGER AFT WEARPLATE
			X			D350-727-015	WEARPLATE KIT, FULL LENGTH
		X				D350-727-041	WEARPLATE KIT, STANDARD WEARPLATE, LH/RH
	X					D350-727-043	WEARPLATE KIT, LONGER AFT WEARPLATE, LH/RH
X						D350-727-045	WEARPLATE KIT, FULL LENGTH, LH/RH
1	1	1	2	2	2	D3319-1	WEARPLATE
1			2			D3319-3	WEARPLATE
	1			2		D3319-5	WEARPLATE
		1			2	D3319-7	WEARPLATE

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Item ID: D350-727-041

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wearplate, Standard, Fits LH or RH

Start Date: 5/15/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/17/2017 Req'd Qty: 2.00

2

Customer:

Reference: SCHEDULED/C

Approvals: Process Plan:

Date: MAY 12 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D350-727	A	MAY 15 2017	DAS 6 2-85						
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile and create labels per PPP D350-727-041 CHG002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.06							
Quality Control									

CB (2) MAY 15 2017



Transport Canada Transports Canada

Department of Transport

Part Design Approval

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario
Canada K6A 1K7

Number: PDA05-18

Issue No.: 2

Approval Date: April 29, 2005

Issue Date: September 11, 2014

Responsible Office:

Prairie and Northern

Aeronautical Product Type or Model:

Eurocopter AS 350 B, AS 350 B1, AS 350 B2, AS 350 B3, AS 350 BA, AS 350 D, AS 355 E, AS 355 F, AS 355 F1, AS 355 F2, AS 355 N, AS 355 NP

Canadian Type Certificate or Equivalent:

H-83 AS 350 series.
H-87 AS 355 series.

Replacement Part:

See Eligibility List

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacture of the Replacement Wearplates must be in accordance with Dart Aerospace Ltd. Master Document List, MDL-D350-727, Rev. E, approved June 26, 2014 or later approved revisions.

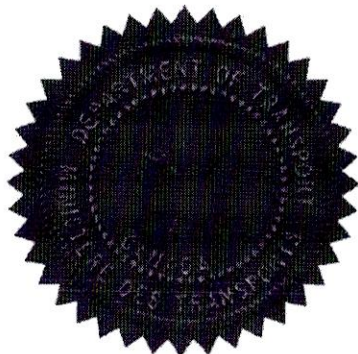
Installation of the Replacement Wearplates must be in accordance with Dart Aerospace Ltd. Installation Instructions IIN-D350-727, Rev. A, approved Apr 20, 2005 or later approved revisions.

Maintenance of the Replacement Wearplates must be in accordance with Dart Aerospace Ltd. Instructions for Continued Airworthiness, ICA-D350-727, Rev. 0, Transport Canada accepted APR 29, 2005 or later Transport Canada accepted revisions.

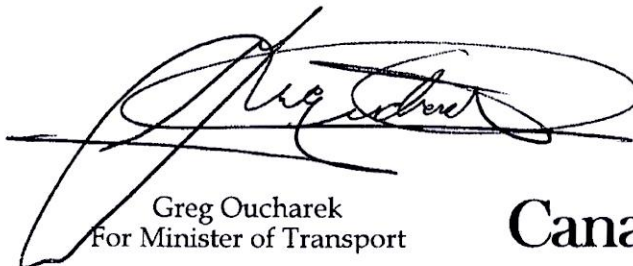
-Eligibility List-

OEM Part Number	Dart Replacement Part Number	Description
350A41-1046-20	D3319-1	Wearplate Fwd
350A41-1079-21 or 350A08-2207-21	D3319-3	Wearplate Full Length
350A41-1016-72	D3319-5	Wearplate Long Aft
350A41-1055-20	D3319-7	Wearplate Aft

— End —



Conditions: The installation of the approved part is to be limited only to the type / model of aeronautical product(s) listed above.


Greg Oucharek
For Minister of Transport

Canada